

ACADEMY

NEWSLETTER OF THE CALIFORNIA ACADEMY OF SCIENCES

HOME OF
STEINHART
AQUARIUM,
MORRISON
PLANETARIUM,
NATURAL
HISTORY
MUSEUM



Academy Teams Up with (SF) Spiders

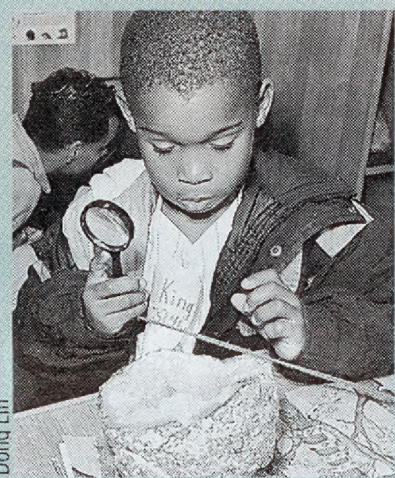
In order to provide Academy members increased access to arachnids, the Academy of Sciences is proud to announce that it is teaming up with the San Francisco Spiders, the Bay Area's newest hockey team. Now Spider fans and, well ... spider fans can share the excitement of their respective webbed environments.

Now through June 1997, an Academy of Sciences' membership entitles you to a two-for-one ticket in any price category for a Spiders' home game.

In the spirit of arthropodic cooperation the Academy will give a discount on Academy of Sciences admission to Spider ticket holders. Holders of a Spiders ticket stub will receive a \$1 adult discount, or free child with paid adult. All Spider season ticket holders will receive two for one admission (of equal or lesser value) by showing their season ticket holder pin at the Academy's admission desk.

For tickets to Spider games, show your Academy of Sciences membership card at the Cow Palace box office at game time, or call 1-800-SFHOCKEY. Watch for future joint activities between two of the Bay area's favorite attractions.

OPEN HOUSE FOR MEMBERS



Dong Lin

You won't even need a woolly coat or mittens as the Ice Ages descend on the Academy as the theme for Members Open House, Tue., **April 30**, from 6 p.m. to 9 p.m.

Start off your visit with a cool stroll through the "Creatures of the Ice Age & Other Amazing Mammals" exhibit,

before you go upstairs and downstairs to visit the world-famous collections of the Academy's eight research departments. You'll meet the scientists who study such fascinating subjects as sharks, butterflies, gems, dinosaurs, bird calls and human cultures.

You'll visit the aquarium from down under, and get a fish-eye view of Steinhart's tenants, and see the complex water system that provides oxygen to all the fish. The planetarium will have a program on how sky and laser shows are created using an automated console. And, of course, all exhibits on the main floor will be open for you to enjoy.

The Academy Store will be open so you can take advantage of your 10 percent members discount. A light meal for a nominal fee, will be served in the Jungle Cafe from 6 p.m. to 8 p.m.

Open House is our way of saying "thank you" for your continued enthusiasm, contributions and interest of the Academy of Sciences.

Members Open House is an exclusive benefit for members only. This is a perfect time to invite your friends to become members so they may attend this event. Consider a gift membership, which offers year-round benefits and helps support education and research at the Academy of Sciences. See the order form on the back cover to order a gift membership.



Dong Lin



Science and Technology Weekend

Build a birdhouse, test your pasta-marshmallow-graham cracker house for seismic safety and design a Super Spinner for speed. These are only some of the activities slated for the weekend of **April 27 and 28**. Families can participate in National Science and Technology Week (NSTW) by enjoying hands-on activities that explore science and how it plays into our everyday lives.

This year's annual family weekend focuses on design. Children will begin to grasp the uses and goals of science in design by participating in activities such as building structures out of toothpicks and birdhouses out of milk cartons. Professional engineers will be on-hand to further encourage children to look at careers in science. Activity booths will be set up in the main entrance and throughout the exhibit halls, and are free after general admission. Activities will be ideal for children aged 3 through 15 and their families.

NSTW, promoted by the National Science Foundation, encourages the public to discover, first-hand, the excitement of exploration and discovery.

MEMBERS MEETING

TechnoToad



Bob Drewes

What do the scanning electron microscope, the Kayelemetrics Signal System, Silicon Graphic GIS, allozymes, DNA sequences and the Internet all have in common? To Academy herpetologist Dr. Bob Drewes, they are all just new ways of studying African frogs. Join Drewes as he presents an overview of his research in Africa, and how the advent of high technology at the Academy has affected the way he asks and attempts to answer biological questions. His talk will be illustrated by slides and the wizardry of the Academy's on-line liquid crystal projector.

Drewes has spent much of the past two and half decades exploring the swamps, deserts and isolated forests of 29 African countries, searching for rare, poorly known reptiles and amphibians.

Drewes is a fellow of the Royal Geographic Society, a member of the National CITES Standing Committee of the Kenya Wildlife Service, has served as an international consultant for the United Nations and as an advisor to the Ministry of Wildlife, Republic of Uganda. He has an abiding love for Africa, its people and history, and in 1969 became an honorary elder of the Rendille, a nomadic group inhabiting the deserts of northern Kenya.

Wed., April 10 — 2 p.m. & 7:30 p.m.

Please present your membership card both at the front entrance and the auditorium. This program is a benefit of membership. Members' guest passes can be purchased prior to the lecture for \$10 each for adults and \$5 for children. Please note: only the main entrance will be open for the members' evening lectures.

Papua New Guinea: A Cultural and Wildlife Expedition



Deirdre Kerran

Papua New Guinea is a land of scattered tribes speaking more than 700 dialects in a land of awe-inspiring mountains, plunging gorges, rushing rivers and endless miles of tropical rain forests.

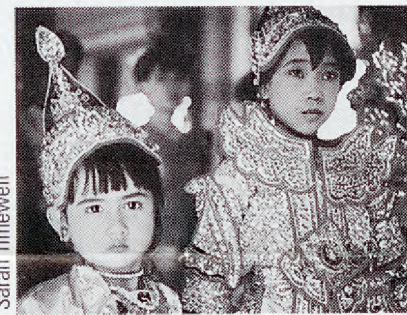
Your tour, with guide Terry Gosliner, will begin in Port Moresby and continue to Mt. Hagen in the Western Highlands. A charter flight will take you to the magnificent Karawari Lodge, 300 feet above the remote, unspoiled Karawari River. The *M.V. Sepik Spirit* will usher you to the Middle Sepik. You're then off by plane to Tari in the Southern Highlands and the Tari Gap area, home to 13 species of bird of paradise. Your last nights will be spent at the Jais Aben Resort located by the Bismark Sea. An optional four-night diving extension also will be offered.

Oct. 16–Nov. 4

Cost: \$6,495 per person (double occupancy), including airfare

Burma: The Road to Mandalay

Join the Academy of Sciences curator of anthropology, Nina Jablonski, on a tour of one of the most beautiful and captivating destinations in the world today, Burma (now renamed Myanmar). Burma has changed very little in recent decades, and it preserves a wealth of ancient and recent human history. This tour will emphasize the cultural richness and religious legacy of Burma as we wind our way northward on the



Sarah Timewell

Irrawaddy Plain to Pagan, which boasts more than 2,000 Buddhist temples. Mandalay and its environs, the old British hill station of Maymyo, the monasteries at Amarapura and Sagaing, the hill station of Kalaw, Inle Lake and the Pindaya Caves are all on this exciting itinerary.

November 2–15

Cost: \$3,775 (15 passengers, double occupancy), plus air;
\$3,990 (10–14 passengers, double occupancy), plus air

For more information on these and other Academy of Sciences' staff-led tours, please call 750-7348.

ADULT EDUCATION

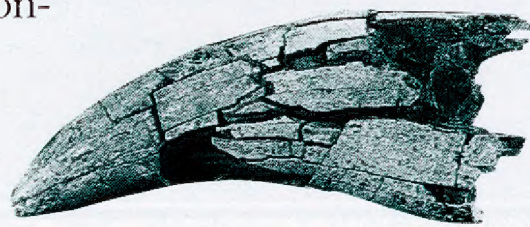
Ice Age Mammals Tour With the Expert

Join our special adult education course to learn the in-depth, scientific details of the Academy of Sciences' exhibit, "Creatures of the Ice Age & Other Amazing Mammals." Dr. Kevin Padian will share his knowledge of the evolution of mammals in a private tour of the exhibit. Learn about mammals from the first small, inconspicuous, shrew-like creatures through 65 million years of evolution, including the giant sloth, saber-toothed cats and the woolly mammoth. The exhibit's robotic animals are accompanied by rarely-seen material from the Academy of Sciences' collections and the U.C. Berkeley Museum of Paleontology.

Padian, a fellow of the Academy of Sciences, is professor of integrative biology and curator at the Museum of Paleontology at U.C. Berkeley. He also is president of the National Center for Science Education, an organization that strives to explain scientific controversies and preserve the integrity of science in its presentation to the public.

Wed., April 10 — 7 p.m. to 8:30 p.m.
\$10 members/\$12 nonmembers

To register, please use the form on the back cover. For more information on this class and others, contact the adult education program at 750-7100.



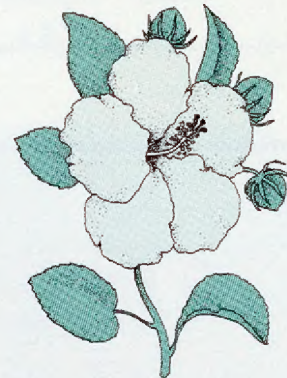
TRADITIONAL ARTS

Hawaiian Hula Dancing

In celebration of the exhibit, "Song of the Ancient Ocean: Maui's Turning Back the Sky," Patrick Makuakane and the Na Lei Hula Dancers will perform dances from Hawaii.

Sat., April 13 — 1 p.m. (Auditorium)

Hawaiian Lei Making



Aileen Camello demonstrates the art of making fresh Hawaiian flower leis.

Sat., April 27 — 1 p.m. (Auditorium)

Explore cultural traditions from around the world. Free after general admission. Call 750-7164 for more information.

CONVERSATIONS AT



Carol Doig

The Am With No

Since pub
House of
and celeb
bringing
lands of v
Montana
was born
1939 and
front whe

at the Rascal Fair, English Creek a
— take place. The sequel to his r
Heart Earth. Ivan Doig's latest no

His lecture is the third annual

Thur., April 25 — 8 p.m.; For tickets
4400; \$12 members/\$16 nonmembers

This lecture series is held at the Herbst T
made possible, in part, by grants from TH
Rhoda Goldman Fund. Other speakers in
Mary Catherine Bateson, 5/28.

SPECIAL

The Song of the Dodo

Giant lizards, flightless pigeons, pygmy elephants, flesh eating parrots — these bizarre creatures, and many more of their kind, suggest that something is different about life-forms on islands. The subject of island biogeography — the science of the geographic distribution of life on islands — is full of exciting thrills and extravagant oddities. It also happens to be full of significance. Back in Charles Darwin's time, island biogeography was the science that opened Victorian minds to the wonders of evolution. In our own era, with all the world's habitats being chopped into island-like fragments, it's the science of jeopardy and extinction.

Former Rhodes scholar and two-time recipient of the National Magazine award for science essays David Quammen will give us both sides of the story: the gaudy entertainments of island evolution, and the dark truth of what island studies have revealed about extinction everywhere.

His latest book, *The Song of the Dodo*, contains a unique mixture of science, historical narrative and travel. There will be a book-signing after the lecture.

Tue., April 30 — 7:30 p.m.
\$6 members/\$10 nonmembers



Jim Evans

Fiji at the Crossroads & Fiordland Underwater

Two Special Lectures

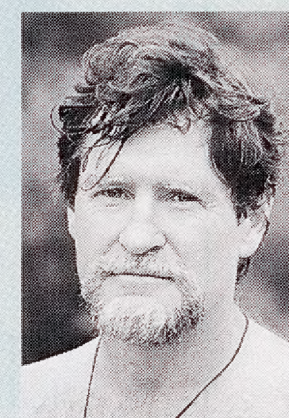
Biologist Dr. Paddy Ryan will present two fascinating lectures about his passion, the natural history of the Pacific region.

On **April 17**, Ryan will discuss Fiji and some of the unusual inhabitants. This biologically diverse area is at a crossroads between wanting to preserve this area and the cultural pressures faced as a result of current conservation efforts. As a faculty member of the University of the South Pacific, Ryan has extensively studied the flora and fauna of Fiji.

His studies also have led him to research Fiordland, a unique underwater environment located in the Southwest New Zealand World Heritage area. On **April 25**, Ryan will divulge the secrets of this underwater paradise. An estimated 7.5 million black coral colonies are found in Fiordland, and the region hosts the greatest diversity of temperate, sessile animals (those permanently attached to the substrate) ever measured.

Ryan will be available to sign his latest book, *The Hidden Wilderness ... Fiordland Underwater*, after both lectures.

Wed., April 17
(Fiji); Thur.,
April 25
(Fiordland)
Both lectures at
7:30 p.m.
\$6 members/\$10
nonmembers
each lecture



Special Lectures are presented in the auditorium. Use order

American West as Heart Earth Novelist Ivan Doig

Publication of his first book, *This*
key, Ivan Doig has been praised
ated as an American original,
o vivid life the people and the
estern America, in particular the
f his birth and childhood. Doig
n Sulphur Springs, Montana, in
grew up along the Rocky Mountain
e his trilogy of novels — *Dancing*
d *Ride with Me, Mariah Montana*
memoir *This House of Sky* is entitled
el is *Bucking the Sun*.

Wallace Stegner Memorial Program.

and information, please call (415) 392-

eatre at 410 S. Van Ness Ave. The series is
e Columbia Foundation and The Richard &
the series include E.O. Wilson, 5/13; and

YOUNG AUDIENCES



Nancy Kittle

“Piñata” Caterpillar Puppets

This humorous performance, written,
directed and performed by puppeteer
Joe Leon, recasts the Pinnochio story
in a tale set in mythical Aztec time.
This story’s bilingual Spanish/English
presentation promotes multicultural
understanding and a love of languages.

Sun., April 14 — 1 p.m.

This family series is presented in the
auditorium and is funded by the San
Francisco Grants for the Arts. Free after
general admission. For more information,
call Young Audiences at (415) 863-1719.

LECTURES



Harold Castro

How Monkeys Make Chocolate

Rain forests not only provide es-
sential environmental factors such
as oxygen, they also provide very
enjoyable products such as choc-
olate, cola beans and avocados.
Join Dr. Adrian Forsyth as he de-
scribes how for every product that
comes from the rain forest, there is
an elaborate ecological web sup-
porting it. Monkeys, for example,
help reforest cacao trees by eating
and dispersing the cacao beans.
Disturbing one small aspect of this
delicate ecosystem can have huge
repercussions.

Forsyth, senior scientist at
Conservation International (CI), is
one of the world’s leading conser-
vation biologists and has spent 20
years in the world’s tropical for-
ests. Most recently, he managed
CI’s Rapid Assessment Program,
which enlists field biologists to
generate fast, field-based assess-
ments of areas where the biodi-
versity of the ecosystem appears
threatened. He is the author of
nine books, including his latest
children’s book, *How Monkeys*
Make Chocolate.

A reception with hors
d’oeuvres will proceed the lec-
ture, which is co-sponsored by
the Academy of Sciences and CI.

Mon., April 22
6 p.m. reception and lecture — \$36
CAS & CI members/\$45 nonmembers
7:30 p.m. lecture only — \$6 CAS &
CI members/\$10 nonmembers

rm for tickets. For more information, please call 750-7128.

An Evening in the Ice Age

Mammoths in San Francisco & The Theory of Glacial Cycles

Learn all about the ice age in just
one night. Join Academy of Sci-
ences paleontologist and geologist
Dr. Peter U. Rodda and U.C. Berke-
ley professor of physics Dr. Richard
A. Muller, for a wealth of informa-
tion about this rather chilly age.

Did you know that woolly
mammoths have been dug up on
Telegraph Hill? Peter Rodda exca-
vated teeth and other bones of the
creatures that dominated this fa-
mous hill long before the tourists.
Rodda will share
his knowledge of
the ice age and
the Pleistocene
vertebrates that
lived in prehis-
toric San Fran-
cisco. His research cen-
ters on geological history
and, specifically, the evolution of
fossil mollusks.

Evidence collected from rocks,
sea-floor cores and Greenland ice
are giving us a startling new picture
of the ice ages. Richard Muller will
share compelling evidence that the
cycle of the ice ages was driven by
changes in the Earth’s orbit caused
by gravitational influences of Jupi-
ter and Venus. Muller’s recent re-
search has been in astrophysics
and geophysics. He is the co-au-
thor of *The Three Big Bangs*.

There will be a special view-
ing of the “Creatures of the Ice
Age & Other Amazing Mammals”
exhibit. (The Ice Age Store also
will be open.)

Thur., April 11 — 7 p.m. lecture
Exhibit viewing — 6 p.m. to 7 p.m.
\$6 members/\$10 nonmembers



MORRISON PLANETARIUM

High Energy Pulsars: Cosmic Gamma Ray Lighthouses

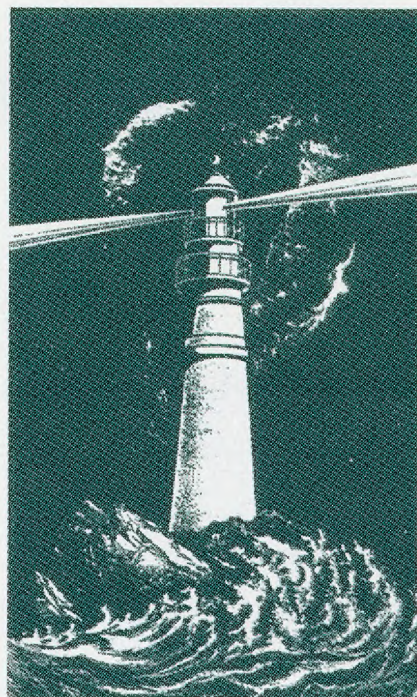
B. Dean Astronomy Lecture: Pulsars are spinning neutron
stars with enormous magnetic fields. These objects can acceler-
ate particles to energies even higher than those of the proposed
Superconducting Super Collider, and
thus potentially are the site of exotic
high-energy physics processes. Join Dr.
Roger W. Romani as he discusses new
observations that indicate certain
pulsars send searchlight beams of
energetic gamma rays sweeping across
the galaxy while others are generating
winds of relativistic plasma. Learn how
these data are revealing the inner
mechanisms of these cosmic particle
machines.

Romani is a professor of physics
and member of the astronomy program
at Stanford University. His work in
astrophysics is concentrated in model-
ing black holes and neutron stars, with an emphasis on pulsar
physics. He also researches the origin of structure in the early
universe and matter moving away from us.

Tue., April 16 — 7:30 p.m.

Tickets \$3 each

The spring '96 series will continue with Tim Hunter on problems of light pollu-
tion, 5/21. For tickets, please use order form on back. Tickets may be available
the day of the lecture on a standby basis. Call 750-7141 for more information.



Lynette Cook

April Sky Shows

in Morrison Planetarium are as follows:

| Sky Show/Description | Weekday | Weekend |
|---|---------|------------|
| Journey by Starlight <i>navigating by stars</i> | 2 p.m. | 2 & 4 p.m. |
| Knock, Knock <i>search for extraterrestrial life</i> | — | 1 & 3 p.m. |
| StarTalk <i>tour of the night sky</i> | — | noon |
| Where in Space is Carmen Sandiego® <i>a family show</i> | — | 11 a.m. |

Tickets can be purchased one half hour before the show at the box office
once inside the Academy of Sciences (\$2.50 adults/\$1.25 youth, though
some shows vary). Members must redeem their passes for tickets at the box
office prior to the show. For more information, please call 750-7141.

An Amateur Astronomer’s Field Day

Amateur astronomy groups from throughout the Bay Area
are hosting informal displays at the Academy of Sciences for
Astronomy Day, Sat., April 20. From 10 a.m. until 5 p.m.,
astronomical stations will be set up in the Academy to help
you find astronomical information on the Internet and World
Wide Web, learn how to make your own mirrors and tele-
scopes, work astronomical computer software and allow you
to take home astronomy activities perfect for the whole
family. Safe viewing of the sun will be offered in the court-
yard, weather permitting. The Academy



Store and other vendors will offer a
special astro-raffle and display their
finest astronomical merchandise. All
of these activities are free after
general admission.

Like all things astronomical, the
evening will bring even more excitement. If weather permits,
telescopes will be set up in front of the Academy of Sciences
from 7 p.m. until 10 p.m. for free observations of the heav-
ens. Come see the bright planet Venus, the moon, the
Beehive star cluster and the brightest stars of the constella-
tions of the Big Dipper and Leo.

For more information, please call 750-7127.

Sat., April 20 — 10 a.m. to 5 p.m.

Free telescope viewing — 7 p.m. to 10 p.m.

APRIL

| SUN. | MON. | TUE. | WED. | THU. | FRI. | SAT. |
|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | | | | |

- 1

Monday

Penguins on Parade, 10 a.m., class also on 10th (Junior Academy)
- 2

Tuesday

Chinese Herbs, 1 p.m., class also on 9th (Junior Academy)
- 6

Saturday

Stuff a Mammoth Activity, 11 a.m. to 3 p.m. (Exhibit Activity)
- 10

Wednesday

Ice Age Mammals Tour With the Expert, 7 p.m. (Adult Education)
TechnoToad, 2 & 7:30 p.m. (Members Meeting)
An Ocean of Mammals, 9 a.m. (Junior Academy)
- 11

Thursday

Evening in the Ice Age, 6 p.m. (Special Lecture)
- 13

Saturday

Traditional Hawaiian Hula Dancing, 1 p.m. (Traditional Arts)
- 14

Sunday

Piñata Caterpillar Puppets, 1 p.m. (Young Audiences)
- 16

Tuesday

High Energy Pulsars, 7:30 p.m. (Astronomy Lecture)
- 17

Wednesday

Fiji at the Crossroads, 7:30 p.m. (Special Lecture)
- 20

Saturday

Astronomy Day, 10 a.m. (Planetarium)
Biology Forum, 8 a.m. (Teacher Education)
- 22

Monday

How Monkeys Make Chocolate, 7:30 p.m. (Special Lecture)
- 25

Thursday

Fiordland Underwater, 7:30 p.m. (Special Lecture)
Ivan Doig, Heart Earth, 8 p.m. (Herbst Theatre Lecture)
- 27

Saturday

Hawaiian Lei Making, 1 p.m. (Traditional Arts)
Science & Technology Family Weekend, 10 a.m. (NSTW)
- 28

Sunday

Science & Technology Family Weekend, 10 a.m. (NSTW)
- 30

Tuesday

Open House for Members, 6 p.m. (Membership)
The Song of the Dodo, 7:30 p.m. (Special Lecture)

FUTURE DATES TO REMEMBER
May 2, Enchanted Pacific (Academy Ball);
May 5, "Creatures of the Ice Age & Other Amazing Mammals" exhibit closes; **May 25**, "Bears" exhibit opens and summer hours begin (9 a.m. to 6 p.m.)

VISITOR INFORMATION

Special Exhibits: "Creatures of the Ice Age & Other Amazing Mammals," through May 5; "Lu Huan: Stone Carvings by a Chinese Master," through May 26; "Song of the Ancient Ocean: Maui's Turning Back the Sky," through May 27; "Around the World in Eighty Years," through Sep. 2. • **Feeding Times:** Fish Roundabout, 2 p.m.; Seals, 10:30 a.m., 12:30 p.m., & 2:30 p.m.; Penguins, 11:30 a.m., & 4 p.m. • **Science In Action:** General weekday programs, 11:30 a.m. Children's weekend programs, 1 p.m., & 3:30 p.m. • **Guided Tours:** Free one-hour highlight tours daily. • **Laserium Shows:** Thu.-Sun. evenings. • **Free Day:** First Wed. of each month. • **Hours:** Open every day of the year. Winter hours 10 a.m.-5 p.m. Summer hours (Memorial Day weekend to Labor Day) 9 a.m.-6 p.m.

ORDER FORM



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San Francisco, CA 94118-4599

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| SPECIAL LECTURES | | | | B. DEAN ASTRONOMY LECTURE SERIES | | |
|--|----------|-------------|----------|---|-----------|-------|
| | Qty/Mem. | Qty/Nonmem. | Total | Quantity | Total | |
| Evening in the Ice Age / Apr. 11 | x \$ 6 | x \$ 10 | = | High Energy Pulsars / Apr. 16 | x \$ 3 = | |
| Fiji at the Crossroads / Apr. 17 | x \$ 6 | x \$ 10 | = | Problems of Light Pollution / May 21 | x \$ 3 = | |
| How Monkeys Make Chocolate / Apr. 22 | x \$ 6 | x \$ 10 | = | TOTAL | | |
| Lecture only | x \$ 6 | x \$ 10 | = | JUNIOR ACADEMY SPECIAL CLASS | | |
| Reception and lecture | x \$ 36 | x \$ 45 | = | | Quantity | Total |
| Fiordland Underwater / Apr. 25 | x \$ 6 | x \$ 10 | = | Chinese Herbs / Apr. 2 & 9 | x \$ 30 = | |
| Song of the Dodo / Apr. 30 | x \$ 6 | x \$ 10 | = | Penguins on Parade / Apr. 1 & 10 | x \$ 20 = | |
| TOTAL | | | | An Ocean of Mammals / Apr. 10 | x \$ 20 = | |
| | | | | TOTAL | | |
| ADULT EDUCATION | | | | GIFT MEMBERSHIP | | |
| | Qty/Mem. | Qty/Nonmem. | Total | I wish to give a gift membership to: | | |
| Ice Age Mammals Tour / Apr. 10 | x \$ 10 | x \$ 12 | = | Address _____ City _____ | | |
| TOTAL | | | | State _____ Zip _____ Phone () _____ | | |
| DONATIONS | | | | <input type="radio"/> \$45 Individual <input type="radio"/> \$60 Father/Grandparent <input type="radio"/> \$40 Dual Senior <input type="radio"/> \$35 Senior/Out-of-Towner <input type="radio"/> \$125 Curators Circle | | |
| <input type="radio"/> I would like to support the Academy with a donation. | | | \$ _____ | TOTAL PAYMENT ENCLOSED \$ _____ | | |

- ☐ **Check** (make payable to C.A.S.)
☐ **VISA** ☐ **MasterCard** ☐ **American Express** (\$10 minimum on credit orders)
Card Number _____ **Exp. Date** _____
Daytime Phone _____

Mail payment and order form to: Membership Office, Ticket Services, California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118-4599
Include a self-addressed, stamped envelope for each series to which you subscribe. No refunds/exchanges.

JUNIOR ACADEMY

Learning is fun at the Junior Academy! More than 30 exciting workshops and field trips are being offered for children age 6-16 years during Spring Break, April 1-13. Some highlights are:

Chinese Herbs — Discover the traditional uses of Chinese herbs with Science-in-Action interns Judy Chang and David Wong. This class will take a field trip to a Chinese herb shop on Clement Street, where we'll identify and purchase a selection of herbs. On our return to the Academy of Sciences, we'll categorize the herbs, prepare a tea and make an herbal pillow.

Tue., April 2; or Tue., April 9 — 1 p.m. to 4 p.m. (9-16 years); Cost: \$30

Penguins on Parade — Instructor Paul Belz will lead an exciting exploration of the adaptations and habitats of these amazing birds. A class observation of the Academy of Sciences' own black-footed penguins at feeding time will show youngsters how unique they really are!

Mon., April 1; or Wed., April 10 — 10 a.m. to noon (6-8 years); Cost: \$20

An Ocean of Mammals — Examine the watery world of marine mammals with instructor Ginger Parish. A trip through the aquarium and to the Academy of Sciences' "Bone Room" will allow kids to study the feeding strategies, behavior and bone structure that showcase these mammals' special adaptations.

Wed., April 10 — 9 a.m. to 11:30 a.m. (9-12 years); Cost: \$20

To register, please use the order form above or register through the education catalog. For more information, please call the education department at 750-7100.

ACADEMY STORE

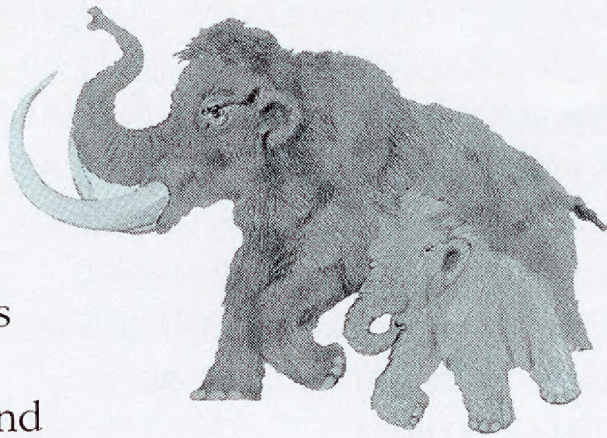
Fun Spring Break Activities

Let young minds blossom this spring break! The Academy Store has an extensive collection of activity books, coloring kits and more. Look for the *Zoology Coloring Book*, designed sneakily to teach as it entertains. The *Anatomy Coloring Book* invites kids to color body parts and gives detailed information about everything they color. Nature guides, self-guided experiments and wildlife videos for those rainy days also can be found. Make it a spring break of adventure and discovery!



Kids Thrilled With Ice Age Activity Center

The children's activity center in the exhibit "Creatures of the Ice Ages & Other Amazing Mammals," offers activities for different age levels, including life-size specimen replicas, mini-computers, puzzles, animal paddle masks and fun embossing activities. Pillows as furry as the woolly mammoth invite children to sprawl out and read a book. Special mirrors show how kids compare in size with humans' earlier relatives. A "Passport to the Ice Ages" activity sheet, complete with pencils, invite kids to explore the exhibit by asking them to pick out fun facts presented in the exhibit. Come enjoy the exhibit before it closes May 5.



WHOTO CALL ☎ Academy Info., 750-7145 • Academy Store, 750-7410 • Admissions, 750-7159 • Aquarium, 750-7247 • Biodiversity Center, 750-7361 • Development Office, 750-7216 • Docent Tours, 750-7155 • Education Office, 750-7100 • Group Information, 750-7159 • Job Hotline, 750-7333 • Laserium, 750-7138 • Lectures, 750-7128 • Library, 750-7102 • Membership Office, 750-7111 • Planetarium, 750-7141 • Planned Giving, 750-7216 • Receptionist, 221-5100 • Security, 750-7000 • Travel, 750-7348 • Volunteer Services, 750-7154 • Weekend Information, 750-7375

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